#### APPENDIX A

#### **IMPACT STUDY**

#### DATA COLLECTION INSTRUMENTS AND ITEM JUSTIFICATION TABLE

Table A: Impact Instrument Content Chart: Explanatory and Outcome Variables

Parent Application Form

Student Follow-up Survey: Reading and Math Versions

Regular School Day Teacher Survey: Reading and Math Versions

**Student Records Request** 

**Achievement Tests in Reading and Math** 

**Table A: Impact Instrument Topics, Item Numbers, and Purpose** 

#### **EXPLANATORY VARIABLES**

Topic & Items	Student Testing (pre-test)	Testing Application Survey  Form (Interim and		School-Day Teacher Survey (Follow-up)	School Records	Purpose	
Background Information							
Family/household information							
adults in the household		7				Quality/availability of support in English for	
main language spoken		8				homework at home. If program group students get less after-school "homework help" can they	
mother's education level		12				get support at home? Potential subgroup	
qualify for free/reduced price lunch		11				variables.	
family mobility		13, 14				If there is attrtion from the study sample, these data allow us to use Heckman adjustments for response bias correction.	
Child's basic demographics							
grade, birthday/age, gender, race/ethnicity		1-3, 9-10			V	Covariates to increase precision of impact estimates; potential subgroups for the analysis of program impacts.	
Child's prior/existing academic history							
class assignment				1-2		Used as a "screen" to ensure that teachers are responding about students they teach or have taught.	
repeated a grade		4				~	
LEP					$\sqrt{}$	Covariates to increase precision of impact – estimates; potential subgroups for the analysis of	
Special Ed					$\sqrt{}$	program impacts.	
receives special academic support		5, 6				i C r	

#### **EXPLANATORY VARIABLES**

Topic & Items	Student Testing (pre-test)	Parent Application Form (Baseline)	Student Survey (Interim and Follow-up)	School-Day Teacher Survey (Follow-up)	School Records	Purpose
Academic Achievement						
Academic Support						
receives special academic support during school day				3		Covariate to increase precision of impact estimates; potential subgroups for the analysis of program impacts.
amount of time school-day reading/math class meets per week				4		Base against which to measure increased math/reading instruction.
amount of time student receives individualized help during school day per week				5		Indication of whether teachers compensate for extra help given to treatment group, affecting service contrast.
sources and frequency of reading/math support outside of regular school day			1-4			Indication of possible sources of extra help, which could affect service contrast.
Academic Performance						
prior test scores					√	Student achievement outcomes pre- implementation (covariates to increase precision
math/reading pre-test	$\checkmark$					of impact estimates); and possible subgroups.
Student Behaviors						
misbehavior in school				8-9		Student behavior and effort could play a  mediating role on academic outcomes. These
effort and attentiveness in school				10-11		measures could aid in interpreting impact results.
Homework						
sources of and need for homework help			5-9			Participation in enhanced academic after-school
doesn't attend program because too much homework			11			program vs. homework help reduces time available for doing homework. Possible unintended consequence of program participation.
Out-of-school activities						
overall student impression of after school program			12			Possible service contrast that would aid in
staff encouragement, support, and expectations			13			interpretation of impact results.
participation in other reading and math activities outside of school			10			Affects service contrast if students receive math and reading instruction from other programs.

#### **OUTCOME VARIABLES**

Topic & Items	Student Testing (post- test)	School-Day Teacher Survey (Follow-up)	School Records	Purpose
Final Academic Outcomes				
Performance				
need for individualized help in class		5		
student grades			$\sqrt{}$	A - 1
achievement test scores post-implementation			$\sqrt{}$	Academic progress is the key measure of the effect of the     after school program.
promotion/retention in grade			$\sqrt{}$	arter senoor program.
math/reading post-test	√			
Homework				
Student completes assignments to teacher's satisfaction		6-7		Completion of schoolwork serves as a measure of the effect of the after-school program, as the programs provide opportunity and support for schoolwork completion. Also important in examining the possible unintended consequence if the program group gets less homework help.

### **After School Progran**



# Application Form Contact Sheet Consent Form



#### Study of Academic Instruction in After School Programs

If you are interested in enrolling your child in the after school program, please read and fill out the following materials. Attached are three forms. The application asks about your child's academic needs and family background. The contact sheet asks for your contact information in case we need to reach you or your child. The consent form, once signed, states that you agree with the conditions for participation in the study. Thank you very much for your application and for helping us to learn more about enhanced academic instruction in after school programs.

#### We want you to know that:

- 1. On the <u>application form</u>, we hope that you answer as many questions as you can; however, you may skip any questions you do not wish to answer.
- 2. The information on the <u>contact sheet</u> will be used by the research team to contact you or your child with questions or information about the after school program.
- 3. To be eligible for the enhanced academic program offered in the after-school program and to participate in the study, you must read, sign, and return the <u>consent form</u>.
- 4. All responses are <u>confidential</u>. For research and reporting, the information about your child will be combined with information about other children, and the answer you give will never be identified as yours or your child's.

#### MDRC New York, NY

www.mdrc.org

#### For questions, call Fred Doolittle at 800-221-3165

fred.doolittle@mdrc.org

The U.S. Department of Education wants to protect the privacy of individuals who participate in surveys. Your answers will be combined with other surveys, and no one will know how you answered the questions. This survey is authorized by law (1) Sections 171(b) and 173 of the Education Sciences Reform Act of 2002, Pub. L. 107-279 (2002); and (2) Section 9601 of the Elementary and Secondary Education Act (ESEA), as amended by the No Child Left Behind (NCLB) Act of 2001 (Pub. L. 107-110).



## AFTER SCHOOL RESEARCH PROJECT APPLICATION FORM

Must be completed by the child's parent or legal guardian **PLEASE PRINT** 

Сн	ILD'S NAME (FIRST)		(LAST)			"NICKNAME"	
Pai	RENT'S NAME (FIRST)		(LAST)			MIDDLE INITIAL	
Toi	DAY'S DATE	2005 DAY YEAR					
1	What grade is your ch	nild currently in? 2	☐ Grade 2	₃□ Grade 3	₄□ Grade	4 ₅□ Grad	e 5
2	What is your child's b	-	DAY YEAR				
3	Is your child a girl or	boy? ₁□ Girl	2□ Bo	у			
4	Has your child ever b	een held back a gra	de?	$_1\square$ Yes	₂□ No		
5	In the past, my child	has gotten special h	help with re	ading $_1\square$ in $_2$	school <sub>2</sub>	out of school	₃□ never
6	In the past, my child	has gotten special l	help with m	ath ₁□ in s	school <sub>2</sub>	out of school	₃□ never
7	Please circle ALL adul	ts that live with this	s child MOST	of the time?			
	1 Mother 2 Father	<sub>3</sub> Grandmother <sub>4</sub> Grandfather		female adulth male adultho	•		
8	Which language is the $_1\square$ English $_2\square$ Spanish	e MAIN language yo $_3\Box$ An Asian Language $_4\Box$ Another langu	guagewhich	one?			
9	How would you descr	ibe your child's eth	nicity? $_1\Box$	Hispanic or Lati	ino ₂□ Not	Hispanic or Lat	ino
10	How would you describe the American Indian or An	Alaska Native	•	e Hawaiian or		Islander	
11	Does your child receive	ve free or reduced p	orice lunch a	t school?	₁□ Yes	<sub>2</sub> $\square$ No	
12	What is the highest g $_1\Box$ Did not graduate fro $_2\Box$ GED or High School	m high school	₃□ Some	r female guale type of educa lege degree or	ition or colleg		
13	How many times have $_0\square$ None $_1\square$	-	last two yea ☐ 2 times		or more time	es	
14	<b>How likely is it that y</b> $_1\square$ Very likely $_2\square$		ear? □ Not very li	kely			



# After School Program Student Survey



## Study of Academic Instruction in After School Programs

#### [THE PERSON ADMINISTERING THE SURVEY WILL READ THIS COVER PAGE ALOUD]

- We would like to ask you some questions about your after school program and other things you
  do outside of school. We want to learn if and how your after-school program helps you with
  schoolwork.
- We hope that you will answer all of the questions, but if you don't want to answer a question you do not have to.
- No one in your school, your after-school program or your family will see your answers. Your answers will be kept secret.

#### THANK YOU VERY MUCH

for helping us learn more about your after school program!

MDRC New York, NY

www.mdrc.org

For questions, call Fred Doolittle at 800-221-3165 fred.doolittle@mdrc.org

The U.S. Department of Education wants to protect the privacy of individuals who participate in surveys. Your answers will be combined with other surveys, and no one will know how you answered the questions. This survey is authorized by law (1) Sections 171(b) and 173 of the Education Sciences Reform Act of 2002, Pub. L. 107-279 (2002); and (2) Section 9601 of the Elementary and Secondary Education Act (ESEA), as amended by the No Child Left Behind (NCLB) Act of 2001 (Pub. L. 107-110).

#### AFTER-SCHOOL STUDENT SURVEY

For each question, please circle only one answer.

#### AFTER SCHOOL HELP WITH READING

I'd like to ask you about the help you get from different people in reading AFTER SCHOOL.

1.	How often does an adult at home help you with reading?	NEVER	SOME	A LOT
2.	How often does someone at your after-school program help you with reading?	NEVER	SOME	A LOT
3.	How often does someone else help you with reading after school?	NEVER	SOME	A LOT

4. How many days a week do you go to a reading class or activity (like help with reading) outside the regular school day that is not the one in this after-school program?

0 days	1 day	2 days	3 days	4 days	5 days	6 days	7 days

#### **ABOUT HOMEWORK**

I'd like to ask you about the help you get from different people in doing homework.

5.	How often does an adult at home help you with homework?	NEVER	SOME	A LOT
6.	How often does someone at your after-school program help you with homework?	NEVER	SOME	A LOT
7.	How often does another adult help you with homework?	NEVER	SOME	A LOT
8.	How often does another student help you with homework?	NEVER	SOME	A LOT

9.	If you NEVER get help with your homework, it is because
	CHECK <b>ONE</b> ANSWER

	I never have homework I don't need help with my homework There is no one I can ask for help
П	I DO get help with my homework

#### **ABOUT AFTER-SCHOOL ACTIVITIES**

10. What did you do yesterday (or the last school day) after your regular school ended? CIRCLE THE LETTERS OF ALL THAT ARE TRUE ABOUT YOU

a.	Homework
b.	Reading, writing, math or science group activities or tutoring that were not homework
C.	Took lessons, met with a club, or played sports that were led by an adult
d.	Played on my own or with friends in activities that were not led by an adult
e.	Chores around the house
f.	Something else: what? Please write it here.

<pre>11. Do you ever school program]?</pre>	have so much homework that you can't come to [Insert the name of the local after-
CHECK <b>ONE</b> AN	SWER
	lever Sometimes Often Always
□ I	never have homework
If you go to [I questions 12 and	NSERT LOCAL NAME OF THE AFTER SCHOOL PROGRAM], please answerd 13.
If you no longer	go to this program, check here. 1 🗌

#### **AFTER-SCHOOL PROGRAM**

#### 12. Overall, what do you think of your after-school program?

#### CIRCLE ONE ANSWER IN EACH LINE

a.	I like my after-school program.	NOT REALLY	SOME	A LOT
b.	I learn interesting things.	NOT REALLY	SOME	A LOT

### 13. When you are doing <u>reading activities or homework</u> at your after school program, how true is each statement below?

#### CIRCLE ONE ANSWER IN EACH LINE

a.	These staff or teachers will help me with reading.	NOT REALLY	SOME	A LOT
b.	These staff or teachers want kids to work and study hard.	NOT REALLY	SOME	A LOT
C.	These staff or teachers pay attention to me.	NOT REALLY	SOME	A LOT
d.	These staff or teachers want me to do my best work.	NOT REALLY	SOME	A LOT
e.	These staff or teachers make me feel like I can do a good job.	NOT REALLY	SOME	A LOT
f.	These staff or teachers say nice things to me when I try hard or do something good.	NOT REALLY	SOME	A LOT
g.	These staff or teachers care for me.	NOT REALLY	SOME	A LOT
h.	These staff or teachers make me feel part of the group.	NOT REALLY	SOME	A LOT



# After School Program Student Survey



## Study of Academic Instruction in After School Programs

#### [THE PERSON ADMINISTERING THE SURVEY WILL READ THIS COVER PAGE ALOUD]

- We would like to ask you some questions about your after school program and other things you
  do outside of school. We want to learn if and how your after-school program helps you with
  schoolwork.
- We hope that you will answer all of the questions, but if you don't want to answer a question you do not have to.
- No one in your school, your after-school program or your family will see your answers. Your answers will be kept secret.

#### THANK YOU VERY MUCH

for helping us learn more about your after school program!

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#### AFTER-SCHOOL STUDENT SURVEY

For each question, please circle only one answer.

#### AFTER SCHOOL HELP WITH MATH

I'd like to ask you about the help you get from different people in math AFTER SCHOOL.

1.	How often does an adult at home help you with math?	NEVER	SOME	A LOT
2.	How often does someone at your after-school program help you with math?	NEVER	SOME	A LOT
3.	How often does someone else help you with math after school?	NEVER	SOME	A LOT

4. How many days a week do you go to a math class or activity (like help with math) outside the regular school day that is not the one in this after-school program?

0 days	1 day	2 days	3 days	4 days	5 days	6 days	7 days

#### **ABOUT HOMEWORK**

I'd like to ask you about the help you get from different people in doing homework.

5.	How often does an adult at home help you with homework?	NEVER	SOME	A LOT
6.	How often does someone at your after-school program help you with homework?	NEVER	SOME	A LOT
7.	How often does another adult help you with homework?	NEVER	SOME	A LOT
8.	How often does another student help you with homework?	NEVER	SOME	A LOT

9.	9. If you NEVER get help with your homewo	ork, it is because
	CHECK <b>ONE</b> ANSWER	

	I never have homework I don't need help with my homework There is no one I can ask for help
П	I DO get help with my homework

#### **ABOUT AFTER-SCHOOL ACTIVITIES**

10. What did you do yesterday (or the last school day) after your regular school ended? CIRCLE THE LETTERS OF ALL THAT ARE TRUE ABOUT YOU

a.	Homework
b.	Reading, writing, math or science group activities or tutoring that were not homework
C.	Took lessons, met with a club, or played sports that were led by an adult
d.	Played on my own or with friends in activities that were not led by an adult
e.	Chores around the house
f.	Something else: what? Please write it here.

11. <b>Do you eve</b> school program]	er have so much homework that you can't come to [Insert the name of the local after-
CHECK <b>ONE</b> AI	NSWER
	Never Sometimes Often Always
	I never have homework
If you go to questions 12 a	[INSERT LOCAL NAME OF THE AFTER SCHOOL PROGRAM], please answernd 13.
If you no longe	r go to this program, check here. 1 🗌

#### **AFTER-SCHOOL PROGRAM**

#### 12. Overall, what do you think of your after-school program?

#### CIRCLE ONE ANSWER IN EACH LINE

a.	I like my after-school program.	NOT REALLY	SOME	A LOT
b.	I learn interesting things.	NOT REALLY	SOME	A LOT

### 13. When you are doing math <u>activities or homework</u> at your after school program, how true is each statement below?

#### CIRCLE ONE ANSWER IN EACH LINE

a.	These staff or teachers will help me with math.	NOT REALLY	SOME	A LOT
b.	These staff or teachers want kids to work and study hard.	NOT REALLY	SOME	A LOT
C.	These staff or teachers pay attention to me.	NOT REALLY	SOME	A LOT
d.	These staff or teachers want me to do my best work.	NOT REALLY	SOME	A LOT
e.	These staff or teachers make me feel like I can do a good job.	NOT REALLY	SOME	A LOT
f.	These staff or teachers say nice things to me when I try hard or do something good.	NOT REALLY	SOME	A LOT
g.	These staff or teachers care for me.	NOT REALLY	SOME	A LOT
h.	These staff or teachers make me feel part of the group.	NOT REALLY	SOME	A LOT



# School Day Teacher Survey



### Study of Academic Instruction in After School Programs

The questions on this form ask about the academic performance of students in your class. These students are taking part in a special study of the after school program. For each item, please mark only one answer. Thank you very much for helping us to learn more about the school day experiences of these students.

#### We want you to know that:

- 1. We are asking you these questions to gather information about the effect of after school programs on children's academic performance.
- 2. You may skip any questions you do not wish to answer; however, we hope that you answer as many questions as you can.
- 3. All responses are <u>confidential and for research purposes</u>. Your responses will be combined with those of other teachers, and the answers you give will never be identified as yours.

#### MDRC New York, NY

www.mdrc.org

For questions, call Fred Doolittle at 800-221-3165

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#### TEACHER SURVEY: STUDENT INFORMATION FORM

Please answer these questions for each student on the attached list.

		Stu	dent 1		Student	2		Student 3	3
		(Nam	ne label)		(Name lab	oel)		Name lab	el)
1.	Is this student currently assigned to your class?	YES			YES NO (Go to the next student)		YES		
	Was this student assigned to your class for at least one month this school year?  Does this student receive	YES N	Don't O Know	YES	NO	Don't Know	YES	NO	Don't Know
	any special support in reading or language arts during the school day (i.e., pull out tutoring, Reading Recovery, assigned to a computer assisted lab, etc.)?	YES N	O Don't Know	YES	NO	Don't Know	YES	NO	Don't Know
4.	Last week, what was the total amount of time (in <b>minutes</b> ) this student's reading class met per week?	Minutes per week:		Minutes per wee	s ek:		Minutes per week	::	
5.	Last week, how much of that time (in minutes) did you (or an aide) provide individualized help to this student in reading?	Minutes per week:		Minutes per wee	s ek:		Minutes per week	::	
6.	Does this student complete homework to your standards?	Often Sometimes Not very ofte Never	1	Often Sometin Not ver Never		1	Often Sometim Not very Never		1
7.	How often does this student NOT complete their homework?	Often Sometimes Not very ofte Never	1	Often Sometin Not ver Never		1	Often Sometim Not very Never		1
8.	How frequently is this student disruptive?	Often Sometimes Not very often Never	1	Often Sometii Not ver Never		1□ 2□ 3□ 4□	Often Sometim Not very Never		1 □ 2 □ 3 □ 4 □
9.	Over the past 4 weeks, how often have you disciplined this child for misbehaving (e.g., asked this child to "sitout", miss recess, stay after school)?		_time(s)	-	time	e(s)	-	time	(s)

	Student 1		Student 2		Student 3	
	(Name or initials	3)	(Name or initials	)	(Name or initial	ls)
10. This student is attentive in class during reading or language arts.	Often Sometimes Not very often Never	$ \begin{array}{ccc} 1 & \\ 2 & \\ 3 & \\ 4 & \\ \end{array} $	Often Sometimes Not very often Never	$ \begin{array}{ccc} 1 & \\ 2 & \\ 3 & \\ 4 & \\ \end{array} $	Often Sometimes Not very often Never	1 □ 2 □ 3 □ 4 □
11. What level of effort does this student apply in reading or language arts?	Always tries hard Usually tries hard Sometimes tries hard Rarely tries hard	1	Always tries hard Usually tries hard Sometimes tries hard Rarely tries hard	1	Always tries hard Usually tries hard Sometimes tries hard Rarely tries hard	1



# School Day Teacher Survey



### Study of Academic Instruction in After School Programs

The questions on this form ask about the academic performance of students in your class. These students are taking part in a special study of the after school program. For each item, please mark only one answer. Thank you very much for helping us to learn more about the school day experiences of these students.

#### We want you to know that:

- 1. We are asking you these questions to gather information about the effect of after school programs on children's academic performance.
- 2. You may skip any questions you do not wish to answer; however, we hope that you answer as many questions as you can.
- 3. All responses are <u>confidential and for research purposes</u>. Your responses will be combined with those of other teachers, and the answers you give will never be identified as yours.

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#### TEACHER SURVEY: STUDENT INFORMATION FORM

Please answer these questions for each student on the attached list.

		Student 1			Student 2			Student 3		
		(Name label)			(Name label)			(Name label)		
1.	Is this student currently assigned to your class?	YES NO (Go to the next student)			YES NO (Go to the next student)			YES NO (Go to the next student)		
	Was this student assigned to your class for at least one month this school year?  Does this student receive	YES	NO	Don't Know	YES	NO	Don't Know	YES	NO	Don't Know
3.	any special support in math during the school day (i.e., pull out tutoring, remedial math assistance, assigned to a computer assisted lab, etc.?)	YES	NO	Don't Know	YES	NO	Don't Know	YES	NO	Don't Know
4.	Last week, what was the total amount of time (in <b>minutes</b> ) this student's reading class met per week?	Minutes per week:			Minute per wee	s ek:		Minutes per week	c:	
5.	Last week, how much of that time (in minutes) did you (or an aide) provide individualized help to this student in math?	Minutes per week:			Minute per wee	s ek:		Minutes per week	C:	
6.	Does this student complete homework to your standards?	Often Sometime Not very Never		1	Often Sometin Not ver Never	mes ry often	1	Often Sometim Not very Never		1
7.	How often does this student NOT complete their homework?	Often Sometime Not very Never		1	Often Sometin Not ver Never		1	Often Sometim Not very Never		1
8.	How frequently is this student disruptive?	Often Sometime Not very Never		1□ 2□ 3□ 4□	Often Sometin Not ver Never		1□ 2□ 3□ 4□	Often Sometim Not very Never		1□ 2□ 3□ 4□
9.	Over the past 4 weeks, how often have you disciplined this child for misbehaving (e.g., asked this child to "sitout", miss recess, stay after school)?		time(	(s)	-	time	e(s)	-	time	(s)

	Student 1		Student 2		Student 3	
	(Name or initials	)	(Name or initials	<u>.</u>	(Name or initials)	
10. This student is attentive in class during math.	Often Sometimes Not very often Never	$ \begin{array}{ccc} 1 & \\ 2 & \\ 3 & \\ 4 & \\ \end{array} $	Often Sometimes Not very often Never	$ \begin{array}{ccc} 1 & \\ 2 & \\ 3 & \\ 4 & \\ \end{array} $	Often Sometimes Not very often Never	$ \begin{array}{ccc} 1 & & \\ 2 & & \\ 3 & & \\ 4 & &  \end{array} $
11. What level of effort does this student apply in math?	Always tries hard Usually tries hard Sometimes tries hard Rarely tries hard	1	Always tries hard Usually tries hard Sometimes tries hard Rarely tries hard	1	Always tries hard Usually tries hard Sometimes tries hard Rarely tries hard	1

#### STUDENT RECORDS DATA COLLECTION PLANS

The research team will request the following data items for students in the research sample. As discussed in the justification statement, we will offer various options by which local programs, schools, and districts in the study could provide the needed data elements. Based on past experience, we believe the following data elements are typically collected by schools and included in student record systems.

#### **Data Elements Requested**

Grade in school year 2005-6
Birthdate/age
Gender
Race/ethnicity
English language learner or limited English proficiency status
Special education classification
Prior achievement test scores
Academic grades in school year 2005-6
Attendance in school year 2005-6
Grade retention/promotion at the end of school year 2005-6
Achievement test scores for school year 2005-6

#### Achievement Tests for Reading and Math at Baseline and Follow-up

As part of the Academic Instruction in After-School Programs project, we intend to administer standardized assessments at baseline and follow-up. These assessments are significant for measuring impacts on academic outcomes as we compare the results for the students in the treatment and control groups. The baseline tests can also be used to form subgroups based on prior academic achievement for the impact analysis.

We expect to use group administered assessments in reading at the reading sites and in math at the math sites. These assessments should take the students about an hour or less to complete. They will offer composite reading or math scores as well as subskill scores (e.g., comprehension and vocabulary for reading or computation and problem solving for math). We will select an assessment for which scores are reported in a form suitable for statistical analysis, and can be pooled across grades allowing the analysis of results for our full sample of 2<sup>nd</sup> through 5<sup>th</sup> graders. We also plan to administer a short, individually administered supplementary follow-up test at the reading sites for children in grades two and three to allow us to obtain more refined measures of word attack skills and fluency than are possible with group administered tests.

Administration: The research team and program staff will collaborate in the administration of the assessments at baseline, prior to random assignment, and the research team alone will administer all assessments at follow-up. Administration of the assessments will occur during the after-school program hours.